

INTERNATIONAL SEARCH REPORT

PCT/IB 04/50011

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 G09G3/34

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHEDMinimum documentation searched (classification system followed by classification symbols)
IPC 7 G09G

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X A	US 2002/005832 A1 (KATASE MAKOTO) 17 January 2002 (2002-01-17) abstract paragraph '0091! - paragraph '0136!; figures 8-14 paragraph '0150! - paragraph '0159!; figures 18-20 --- -/--	1-9, 20, 21 10-19, 22

☒ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

* Special categories of cited documents:

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
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- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

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- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
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Date of the actual completion of the international search

14 May 2004

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07/06/2004

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PCT/IB2004/050011

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	<p>US 6 504 524 B1 (ALBERT JONATHAN D ET AL) 7 January 2003 (2003-01-07) abstract column 12, line 44 -column 13, line 53; figures 2A-2E column 13, line 54 -column 14, line 25; figures 2F-2G column 15, line 40 -column 16, line 37; figures 3D-3F column 18, line 46 -column 19, line 52; figures 5-8</p>	10-19,22
X	<p>US 4 778 260 A (ENARI MASAHIKO ET AL) 18 October 1988 (1988-10-18) abstract column 2, line 29 - line 48 column 6, line 23 - line 62; figures 8,9 column 8, line 14 - line 37; figures 13,14</p>	1-6,21
A	<p>US 4 317 115 A (IZAKI NAOYUKI ET AL) 23 February 1982 (1982-02-23) abstract column 5, line 25 -column 7, line 35; figures 8,9,11</p>	1-6,21
A	<p>US 4 041 481 A (SATO TERUO) 9 August 1977 (1977-08-09) abstract column 7, line 9 -column 9, line 19; figures 7A-7I,9,10</p>	10-19,22

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PCT/IB2004/050011

Patent document cited in search report		Publication date	Patent family member(s)		Publication date
US 2002005832	A1	17-01-2002	JP	2002116734 A	19-04-2002
US 6504524	B1	07-01-2003	US	2003137521 A1	24-07-2003
			US	6531997 B1	11-03-2003
US 4778260	A	18-10-1988	JP	1746567 C	25-03-1993
			JP	4031373 B	26-05-1992
			JP	61243429 A	29-10-1986
			EP	0232871 A2	19-08-1987
			US	4800155 A	24-01-1989
			DE	3613446 A1	27-11-1986
			FR	2580826 A1	24-10-1986
			GB	2175726 A ,B	03-12-1986
US 4317115	A	23-02-1982	JP	55076393 A	09-06-1980
US 4041481	A	09-08-1977	JP	973865 C	19-10-1979
			JP	51041993 A	08-04-1976
			JP	54006360 B	27-03-1979
			JP	946920 C	30-03-1979
			JP	51041995 A	08-04-1976
			JP	53027152 B	07-08-1978